

EPSON
EXCEED YOUR VISION

PERFECTION™ V700 PHOTO

COLOUR
IMAGE
SCANNER



The Advanced Total Film, Document and Photo Scanning Solution for the Professional User

- Advanced Epson Dual Lens System
- 6400dpi film scanning
- DIGITAL ICE™ and DIGITAL ICE Lite™ Technologies
- On-board ASIC for dedicated image processing
- Optical Density of 4.0 Dmax
- Features IEEE1394 (Firewire) and USB 2.0 for high speed scanning for both Windows® and Macintosh® users



Epson **PERFECTION™ V700 PHOTO**

Tailored specifically to meet the high level requirements of scanning professionals, the **Epson PERFECTION V700 PHOTO** incorporates new and refined technologies that work in tandem to provide a fast, total scanning solution with quality rivalling many drum scanners.

Superb Image Quality

The outstanding image quality achieved by the Epson PERFECTION V700 PHOTO is a direct result of numerous advanced technologies, designed to work together to deliver professional results with every scan.

Dual Lens System



Featuring an advanced dual optical lens, the Epson PERFECTION V700 PHOTO incorporates two separate lenses, each designed to optimise the scanning results in specific modes. When selecting Film (with Film Holder) mode, the Epson PERFECTION V700 PHOTO will automatically use its 6400dpi Super Resolution Lens, while the 4800dpi High Resolution Lens will be used for reflective scans and film scanning with the Film Area Guide.

4800dpi Matrix CCD

The 4800dpi Matrix CCD (Charge Coupled Device) used in the Epson PERFECTION V700 PHOTO is one of the crucial factors in the scanner's ability to scan at incredible detail and deliver high gradation reproduction. It is also the combination of the Matrix CCD with Micro Lens and Epson Dual Lens System that makes it possible for the Epson PERFECTION V700 PHOTO to deliver high resolution scans without an increase in carriage size.

Superior Speed Performance

With numerous features designed specifically to enhance overall scanning performance, the Epson PERFECTION V700 PHOTO combines brilliant quality with superior speed.

On-board Image Processing

By utilising a high-speed ASIC (Application Specific Integrated Circuit) hyper processor, the Epson PERFECTION V700 PHOTO is able to process scanned image data significantly faster than other scanners that typically rely on the PC's internal processor and memory. The result is a consistent high speed scanning operation.

Bluish Lamp Technology

With the innovative bluish lamp technology, the Epson PERFECTION V700 PHOTO dramatically reduces the amount of time required to scan negatives and slides. This is achieved by alleviating the problems associated with using pure white light to scan negatives.





4.0 Dmax Optical Density

Rivalling the quality of many high performance drum scanners, the Epson PERFECTION V700™ PHOTO has a maximum optical density of 4.0 Dmax, ensuring high quality print-ready negative and transparency scans can be made easily and quickly.

Regardless of the scanning mode, the Epson PERFECTION V700 PHOTO can faithfully reproduce a full range of colours by virtue of its 16-bit gradation capability. In order to maintain image integrity with the increase in gradation, the Epson PERFECTION V700 PHOTO has been designed with a special AD converter for “noise” reduction.

DIGITAL ICE™ and DIGITAL ICE Lite™



In keeping with the “professional scanning solution” design goals for the Epson PERFECTION V700 PHOTO, this powerful scanner includes DIGITAL ICE and DIGITAL ICE Lite technologies, which function during the scanning process to remove dust and scratch marks from colour film and slide scans with incredible accuracy.

Superior Versatility

Bundled Software

Ensuring the Epson PERFECTION V700 PHOTO is an “out of the box” total scanning solution, the scanner is bundled with an extensive range of powerful software tools, which includes:

- Epson Easy Photo Fix for colour restoration, dust removal and grain reduction/correction
- Colour Palette Tool for Epson Easy Photo Fix
- Epson Creativity Suite
- SilverFast SE 6 for powerful editing pre-scan operations
- Adobe® Photoshop® Elements 3.0
- ABBYY FineReader 6 Sprint Plus for OCR functionality

Integrated Transparency Unit

The Epson PERFECTION V700 PHOTO's Integrated Transparency Unit (TPU) with four film holders makes it the perfect film scanning unit. Using the film holders, it's absolute simplicity to set up simultaneous scanning of either:

- 24 frames of 35mm stripfilm
- 12 slide mounted 35mm films
- 2 medium format 120/220 (6 x 20cm) stripfilm
- 8 x 10-inch (using Film Area Guide)
- 2 frames of 4 x 5-inch film



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COLOUR
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EPSON PERFECTION™ V700 PHOTO Specifications



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02/06

EPSON PERFECTION V700 PHOTO B11B178025

SCANNER TYPE Flatbed colour image scanner

SUB-SCANNING METHOD Fixed document and moving carriage

PHOTOELECTRIC DEVICE Matrix CCD with Micro Lens

MAXIMUM EFFECTIVE SCAN AREA

8.5" x 11.7" (216 x 297mm)

LIGHT SOURCE White cold cathode fluorescent lamp IR LED

OPTICAL RESOLUTION

DUAL LENS SYSTEM 6400 x 9600dpi
(Super Resolution Lens) with Micro Step Drive

4800 x 9600dpi
(High Resolution Lens) with Micro Step Drive

OPTICAL DENSITY 4.0 Dmax

DIGITAL ICE TECHNOLOGIES

DIGITAL ICE™ & DIGITAL ICE Lite™
Technologies for Film Scanning
(Not available when using Film Area Guide)
DIGITAL ICE Photo Print Technology

FILM SCANNING

Built-in Integrated Transparency Unit
35mm strip x 24 frames strip
35mm slide x 12 frames
6cm x 12cm medium format (120/220) x 2 frames
4" x 5" x 2 frames
8" x 10" Transparency with Film Area Guide

FUNCTIONS

IMAGE QUALITY ENHANCER Digital ICE Technologies
Grain Reduction
Colour Restoration
Dust Removal
PRINT Image Matching II
Optimised Auto Exposure
Unsharp Mask with Noise Reduction
De-Screening with Document Type Optimiser
Tone Curve Adjustment with Histogram

EASY SCANNING Colour Palette Tool for Easy Colour Fix
1 Push Button
Stand-Alone Application and Scan to File Feature
Multi Purpose User Interface
Multi Document Auto Detection
Multi Document Auto Cropping
Auto Skew Correction
Multi Marquee
Film Scanning Thumbnail Preview

PIXELS / LINE 40,800 x 56,160 pixels @ 4800dpi

GREYSCALE

16-bit (65,536 greyscale levels) external
16-bit (65,536 greyscale levels) internal

COLOUR

48-bit (281,474 billion colours) external
48-bit (281,474 billion colours) internal

SCANNING SPEED

MONOCHROME REFLECTIVE A4 300dpi 11 sec★1
COLOUR REFLECTIVE A4 300dpi 14 sec★2
35mm POSITIVE FILM 2400dpi 47 sec#
35mm NEGATIVE FILM 2400dpi 44 sec#

#without DIGITAL ICE

SUPPORTED PLATFORMS

IEEE1394 (Firewire) Microsoft® Windows® ME/2000 Professional/
XP Home Edition / XP Professional / XP Professional
x64 Edition / Mac® OS X 10.2 or later (SilverFast®:
Mac® OS X 9.2 or later)

USB 2.0 (Hi-speed) Microsoft® Windows® XP Home Edition / XP Professional /
2000 Professional / XP Professional X64 Edition /
Mac® OS X 10.2.7 or later

USB 1.1 Microsoft® Windows® 98SE / ME / 2000 Professional /
XP Home Edition / XP Professional / Mac® OS X 10.2
or later (SilverFast®: Mac® OS X 9.2 or later)

INTERFACES

IEEE1394 Firewire
USB 2.0**

**The functionality of the USB port(s) must be ensured by the vendor of the Host.

ENVIRONMENTAL CONDITIONS

TEMPERATURE 5° to 35°C (Operating)
HUMIDITY 10% to 80% without condensation (Operating)

ELECTRICAL SPECIFICATION

VOLTAGE 220 ~ 240V
FREQUENCY 50 ~ 60 Hz
POWER CONSUMPTION 32W (Operating)
19W (Stand-by mode)
4W (Sleep mode)

BUNDLED SOFTWARE

Epson Scan*
Epson Creativity Suite*
SilverFast SE6*
Adobe Photoshop Elements 3.0*
ABBYY Finereader Sprint 6 (Windows)* / Sprint 5
(Mac)*
Newssoft Presto Biz 4 LE*
Online User Guide

* Microsoft® Windows® / Mac® OS 10.2.7 or later

SCANNING SPEED DATA PATTERNS

The thumbnails below show the scanning patterns to determine scanning speed specification.



★1
Line Art
(MEMO)



★2
Photo
(Photo courtesy of
ISO/JIS-SCID.
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permission.)

System Configuration for Scanning Speed
CPU: Pentium 4 2.4GHz
RAM: 512MB
I/F: USB 2.0 Hi-Speed
OS: Windows® XP Professional Edition
Soft: Adobe Photoshop® 7.01E

Scanning speed test results vary according to system configuration, dpi setting, and scan mode setting. However, documents and photos other than those pictured above can be substituted without significantly affecting test results.

WARRANTY

12 MONTHS RETURN TO BASE
OPTIONAL ADDITIONAL 2 YEAR WARRANTY 3YWPV700P
For warranty terms see www.epson.com.au/warranty

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